

HEAT TRANSFER 200SP

Maximum Thermal Stability



Features

HEAT TRANSFER 200SP meets or exceeds the following industry standards:

- GM Quenchometer test
- Cincinnati-Milacron "A" thermal stability and sludging test
- Panel Coker thermal stability deposit test
- Modified S-200 viscosity increase and precipitation test
- RBOT accelerated oxidation tendency test

HEAT TRANSFER 200SP is specifically designed for maximum performance in closed circulating heat transfer systems equipped with expansion tank and nitrogen blanket. This arrangement prevents excessive oxidation that would otherwise occur when hot oil contacts atmospheric oxygen. Such systems can operate at temperatures up to 316°C or 300 °C with a 46 grade.

HEAT TRANSFER 200SP uses only pure paraffinic base oil from straight fraction distillation, not blended stocks. Extremely effective additives were found that help this oil offer exceptional resistance to thermal cracking, formation of sludge and hard carbon deposits. If not properly controlled these can create hot-spots and block boiler tubes. In open systems, where contact with air cannot be avoided, maximum operating temperature should be kept below 250°C.

HEAT TRANSFER 200SP has been chosen to provide high thermal efficiency in systems operating up to 316°C or 300 °C with a 46 grade. Good fluidity allows for faster circulation on start-up, which is particularly important for mobile systems such as portable asphalt plants.

HEAT TRANSFER 200SP also makes excellent quenching oil.

Benefits

- Circulates fast on cold starts
- Maintains clean heat transfer surfaces
- Low volatility for minimum evaporation loss
- Non-corrosive

HEAT TRANSFER 200SP

Typical performance results

NAME	HT 200SP (57)	HT200SP (46)
VISCOSITY (D-445)		
cSt @ 40°C	56.8	46.7
cSt @ 100°C	7.9	6.8
cSt @ 150°C	3.1	N/A
cSt @ 200°C	1.7	N/A
cSt @ 250°C	1.12	N/A
cSt @ 300°C	0.80	N/A
POUR POINT °C (D-97)	-6	-21
FLASHPOINT °C (D-92)	258	248
FIREPOINT °C	259	260
BOILING POINT °C	490	N/A

TEMPERATURE (°C)	SPECIFIC HEAT (57)(kcal/kg. °C)	THERMAL CONDUCTIVITY (57) (kcal/m.hr°C)	SPECIFIC HEAT (46) (kcal/kg. °C)	THERMAL CONDUCTIVITY (46) (kcal/m.hr°C)
@ 50°C	0.507	0.122	0.516	0.18
@ 100°C	0.513	0.118	0.562	0.17
@ 150°C	0.519	0.114	0.655	0.16
@ 200°C	0.526	0.111	0.722	0.16
@ 250°C	0.533	0.107	0.762	0.13
@ 300°C	0.539	0.104	0.656	0.12

TEMPERATURE (°C)	DENSITY (57) (Kg/L)	DENSITY (46) (Kg/L)
@ 15°C		
@ 100°C	0.878	0.869
@ 150°C	0.864	0.825
@ 200°C	0.858	0.796
@ 250°C	0.851	0.769
@ 300°C	0.843	0.740
	0.836	0.711

Available sizes & part numbers

	18.9L Pail (5.0 US gal)	205L Drum (54.2 US gal)	BULK
HEAT TRANSFER 200SP	F0087240	F0036950	
HEAT TRANSFER 200SP (46)		F0091950	B0091901



Lubricants

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